## DXpedition News

**VK0 - Heard Island** *Update on the Heard Island DXpedition - Jan 97, prepared by KK6EK and K4UEE*

A milestone in the preparations for the 1997 Heard Island DXpedition was reached on October 10, when the second of two 20-ft. containers of gear was shipped from Oakland to Reunion Island, the departure point for the expedition. The gear includes complete life support for 20 persons for the three-week stay on Heard Island, plus all the equipment for five complete radio stations operating on all HF bands, RTTY, and amateur satellite. Preparations for the expedition have been in high gear for most of the past year.

**Edited by Paul Smith AE4AP**

The DX Bulletin

**America's Premier Weekly Amateur Radio Publication**

Following the 1995 attempt, which resulted in financial disaster for the team, the project was reorganized, and the team enlarged to 20 radio operators in order to reduce the cost per person. Additional equipment, procedures, and travel arrangements were incorporated to ensure safety and travel success. The team has been essentially intact since it was formed in January, 1996. Currently it includes: EA8AFJ, HB9AHL, KA6W, KØIR, K4UEE, K9AJ, KK6EK, N6EK, N6MZ, NP4IW, OE9AMJ, ON6TT, PA3DUU, RA3AUU, VK2TQM, W6OTC, W8FMG, WAØPUJ, WA3YVN, and 9V1YC. During the last weekend in September, part of the team assembled in the SF Bay area for a training and checkout session, during which they erected one of the shelters, set up the galley and sleeping equipment, and operated an HF station. It was an opportunity for the team to practice a rapid setup of a shelter and life support and to begin to form new friendships. The two containers of gear weigh nearly 15 tons and include four shelters 12x24 ft. each for sleeping, eating, meeting, the Satellite station, an HF station and storage. There are two additional shelters 8x8 ft. which will house two HF stations each. The radios are Yaesu FT1000MPs, FT990s and ETO 91B linears. The team has shipped large quantities of antennas. Low band antennas are mostly verticals including four-square arrays for 160, 80, 40 and 30m. On the higher bands, monobanders and tribanders will be employed. The reason for so many antennas is to have plenty of spares in case a major storm destroys some or all of the erected antennas. The team will log using a CT-network. Every day the logs will be uploaded via AMSAT to a central site for posting on the Web. Anyone will be able to enter basic information about a QSO, and receive confirmation that the QSO is in the log. We will not send out e-QSLs or pre-emptive printed QSLs as was done on the Easter Island (XR0Y/Z) expedition. The team will assemble on Reunion Island during the last week of December. On Jan. 3, 1997, they will leave aboard the 300-ft. French vessel Marion Dufresne for a 10-day sail to Crozet and then Heard Island. If weather permits, the equipment will be put on the island by helicopter; if not, it will be landed by boat. The stations will come on the air on or before Jan. 15, 1997, using the callsign **VK0IR**. The NCDXF 5-band HF beacon will be set to transmit continuously during the stay. The total budget for the expedition is $320K. Almost 2/3 of this cost is transportation to Heard Island, which is remote from any normal shipping lanes. The balance of the budget is required for special gear and services, such as the shelters, food, fuel, and transportation of the equipment. An example of the high cost of this operation is the charge for shipping and storing the containers of gear, more than $20K. As of mid-October 1996, about $260K has been raised or is guaranteed, leaving about $60K yet to be obtained. This project has been developed with the following principles foremost: (1) safety of the participants; (2) reliability of schedule and radio operations; (3) advancement of the art and science of DXing and DXpeditioning. To that end, we have opted for a large team, reliable (albeit expensive) transportation, and considerable backup gear and plans. We believe that there is no way this expedition can fail, short of a major environmental disaster. We also believe that to make less investment would seriously compromise one of the principles listed above. Donations are greatly appreciated and a self-addressed envelope is provided in this issue for your convenience. Donations are not at risk. The expedition team is taking all financial responsibility until the expedition is completed. Should the project fail due to other than an Act of God, the donors monies will be returned. The most complete set of information about the

expedition is available on the Web pages, accessible at: http://www.ccnet.com/~cordell/HI

**5B - Cyprus** (AS-004) Stavros 5B4AFM will be QRV as C40M during CQ WW SSB.

**5N - Nigeria** 5N0T will sign **5N36T** during CQ WW SSB. The special prefix will be used until Oct 31 for the 36th anniversary of independence of the Federal Republic of Nigeria. QSL via Paul F2YT.

**8R - Guyana** Olli Rissanen OH0XX will operate **8R1K** in CQ WW SSB, Oct 26-27, single op, all bands. QSL via Suite 599, 1313 So. Military Trail, Deerfield Beach, FL 33442

**9Y - Trinidad** Glenn K6NA will operate **9Y4H** in CQ WW SSB, Oct 26-27, all bands.

**C3 - Andorra** Peter VE3GEJ will be QRV as **C31LJ** during CQ WW SSB. If the operation changes to multi-op the call will be **C31LD**. Operation will be from the QTH of C31LD using monoband beams on all bands 80-10 meters. QSL C31LJ only via VE3GEJ.

**C6 - Bahamas** (NA-080) Mike Kincaid will be QRV as **C6AHU** during CQ WW SSB and non-contest as **W7FKF/C6** until Oct 27. Mike will be active on all bands 160 - 10 meters on both CW and SSB using a tribander, R7, dipoles, and an IC-751A. QSL with SASE or proper IRCs to WJ8C.

**CE3 - Chile** John **CE3/K4ERO** is QRV at Calera de Tango rebuilding a broadcast station (unused for the past 3 years) for the next 6-9 months. John has full use of the station's log periodic antennas (6 to 26 MHz) on two 160-foot towers, one pointing to NA and the other to Africa. A curtain antenna also points towards Germany.

**CT3 - Madeira** (AF-014) will be activated by **CT3FN** during CQ WW SSB. Check 28.450 MHz 1200 UTC, 21.350 MHz 0900 and 1500 UTC, 14.250 MHz 1100 and 2000 UTC, 7.050 MHz 0730, 1800, and 2100 UTC, 3.750 MHz 0700 and 2130 UTC, 1.850 MHz 0200 UTC. QSL via HB9CRV.

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**CT3/OH6LI** will be QRV during CQ WW SSB on all bands.

**HB0 - Liechtenstein** will be QRV Oct 26-27 by **HB0/HB9LEY** (ex JA1LZR/N2AIR) and also **HB0/DL6FDB** (ex JA1IST/WR6M) using an IC-780, FT-1000MP, FL2100B, TL922, and Windom antennas. They will operate mainly 80, 75, 30, and 17 meters using CW and SSB. QSL via JH1BSE.

**HC - Ecuador** A multi single operation from **HC8N** during CQ WW SSB will be made by WN4KKN, WX3N, VE3EJ, and HC1OT. Try 1.840 MHz on the half hour from 0600 - 1100 UTC, 75 meters at night, and 40 through 10 meters during the day. QSL to AA5BT.

**FJ - Saint Martin** (NA-105) During CQ WW SSB **FJ5AB** will be QRV from St. Barthelemy on all bands. operators include N6DLU, N6LL, and FJ5AB.

**FK - New Caledonia** (OC-032) **FK5DX** will be QRV Oct 26-27 by Eric FK8GM and Franck FK8HC on all bands 160-10 meters. QSL via WB2RAJ.

**FR - Reunion Island** (AF-016) The Heard Island team plans to operate from Reunion Island emphasizing the low bands before departing for Heard Island (AN-003). The travel schedule for the Heard Island team appeared in *The DX Bulletin* Issue 859.

**FT8W - Crozet Island** (AF-008) The Heard Island team will be on Crozet for less than 24 hours January 8-9 on their way to Heard. They hope to operate, but it is too early to confirm. More details will follow when available.

**FT8X - Kerguelen Island** (AF-048) The Heard Island team will be on Kerguelen Island for less than 24 hours January 30 on their return from Heard. They hope to operate, but it is too early to confirm. More details will follow when available.

**HR6 - Honduras** Joe Hypnarowski will be QRV as **HR6/WA6VNR** from Roatan Island during CQ WW SSB. After the contest look for Joe on the WARC bands, CW only. QSL with SASE to WA6VNR, 3785 Mt. Blackburn, San Diego, CA 92111.

**KH2 - Guam** (OC-026, Zone 27) **NH2G** will be QRV on all bands during CQ WW SSB. US territories in ITU region 3 can only operate SSB from 7.075 to 7.100 MHz. QSL via WF5T.

**M6 - England** The G0KPW crew will operate **M6T** during CQ WW using the new UK contest callsign facility.

**P4 - Aruba** (SA-036) Mike K4PI will be QRV at **P49I** through Oct 29. During CQ WW SSB Mike will be operating 80 meters only. QSL P49I via K4PI.

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Mack AK4I will operate **P40DX** at the same QTH as P49I. QSL P40DX via AK4I.

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Jose CT1BOH will be QRV as **P40E** during CQ WW SSB. QSL via CT1AHU.

**T8 - Belau** (OC-009) Coy Day N5OK and Dave Horn N5CG are now QRV as **T88T**. They will use this call during both of the CQ WW contests. Coy and Dave will be on Belau for a 30 to 60 day stay, operating all bands including WARC from 160 through 10 meters. QSL to Belau DXpedition, Box 88, Morris, OK 74445-0088.

**TK - Corsica** (EU-014) will be activated by **TK2C** through Oct 29 including CQ WW SSB. Operators will be 160 meters DL4MCF and DK4VW; 80 meters DL1MAJ; 40 meters DL4MEH and DK6WL; 20 meters TK5NN and TK5EP; 15 meters TK5MH and DF7RX; 10 meters DL6RAI. QSL via DF7RX, Bernhard Steibl, Kelheimwinzerstr. 40, D-93309 Kelheim F.R.G.

**TL - Central Africa** zone 36 will be QRV as **TL8MS** during CQ WW SSB on 7, 14, and 21 MHz. QSL via DL6NW.

**V2 - Antigua & Barbuda** During CQ WW SSB **V26B** will be QRV.

**V8 - Brunei** Hajime JO1RUR will be QRV as **V85HG** during CQ WW SSB (single operator, all bands). QSL CQ WW SSB 1996 only to JH7FQK.

**VP5 - Turks & Caicos** (NA-002) The North Florida DX Association will activate **VP5DX** through Oct 29 on 160 through 10 meters CW and SSB. The team will be using two linears, monobanders, Gap verticals, and beverage antennas. When working split frequency look up 3 Kc. The team will include Dick K4UTE, Ron N4KE, Steve AB4UF, Al W3ZNB, Mike NF4L, and Dave NO4J. VP5DX is good in all contests until the year 2000 and is issued to the North Florida DX Association. QSL direct to K4UTE along with bureau cards also.

**YV - Venezuela** Kenny WM2C will be joining several YV operators on La Orchila Island (SA-035) during CQ WW SSB. Call unconfirmed, but probably YV10M.

**XX9 - Macau** (AS-075) will be activated by **XX9X** until Oct 28. During CQ WW SSB a multi-multi operation will be made. Five Yaesu Ft-1000MP stations with four Cushcraft-supplied beams will be operated from two luxury side-by-side hotels. Operators will include OH1KAG, OH2BH, OH2BVF, OH2PM, OH6DO, XX9AL, XX9AS, XX9KC, and XX9MD. Operation will concentrate on the following frequencies 1.827 MHz, 7.047 MHz, 14.170 MHz, 21.270 MHz, and 28.470 MHz. QSL to Martti Laine OH2BH, Nuottaniementie 3 D 20, FIN-02230, Espoo, Finland.

## Propagation

### Forecast and Historical Data

| Day Forecast | 27 Days Before | | | | 55 Days Before | | | |
|---|---|---|---|---|---|---|---|---|
| October | Date | Flux | A | K | Date | Flux | A | K |
| 24 High Normal | 9/27 | 72 | 15/15 | 3 | 8/30 | 73 | 15/14 | 2 |
| 25 High Normal | 9/28 | 72 | 15/15 | 3 | 8/31 | 76 | 12/14 | 2 |
| 26 High Normal | 9/29 | 72 | 10/10 | 3 | 9/1 | 74 | 4/5 | 2 |
| 27 High Normal | 9/30 | 70 | 10/10 | 2 | 9/2 | 72 | 5/5 | 3 |
| 28 High Normal | 10/1 | 70 | 10/10 | 2 | 9/3 | 71 | 2/4 | 2 |
| 29 High Normal | 10/2 | 70 | 5/5 | 2 | 9/4 | 71 | 5/9 | 2 |
| 30 High Normal | 10/3 | 70 | 5/5 | 2 | 9/5 | 70 | 7/6 | 2 |
| 31 High Normal | 10/4 | 70 | 5/5 | 2 | 9/6 | 70 | 5/6 | 2 |
| November | | | | | | | | |
| 1 High Normal | 10/5 | 68 | 7/7 | 2 | 9/7 | 70 | 8/10 | 2 |
| 2 High Normal | 10/6 | 68 | 7/7 | 2 | 9/8 | 69 | 10/10 | 2 |
| 3 High Normal | 10/7 | 68 | 15/15 | 3 | 9/9 | 69 | 12/12 | 2 |
| 4 High Normal | 10/8 | 68 | 15/15 | 3 | 9/10 | 69 | 14/14 | 2 |
| 5 High Normal | 10/9 | 68 | 5/5 | 2 | 9/11 | 68 | 15/15 | 2 |
| 6 High Normal | 10/10 | 68 | 5/5 | 2 | 9/12 | 68 | 10/10 | 3 |
| 7 High Normal | 10/11 | 68 | 5/5 | 2 | 9/13 | 68 | 10/10 | 3 |
| 8 High Normal | 10/12 | 68 | 8/8 | 3 | 9/14 | 68 | 9/9 | 2 |

This week's effective sunspot number is 10. This is down from 11.5 last week.

# BANDPASS

*Key to BANDPASS: Callsign, Frequency, UTC, Day of month, State*

*# after the frequency indicates a most Wanted Country.*

** indicates Long Path Progagation.*

*Due to the amount of DX information this week resulting from the upcoming CQ WW SSB contest, BANDPASS has been compressed. It will return next week in its usual format.*

### 160 Meters

| | | | | |
|---|---|---|---|---|
| PJ8DX | 1.830 | 0025 | 15 | AL |
| SV2BOH | 1.838 | 2335 | 14 | FL |
| UAØZAZ | 1.831 | 1144 | 13 | CA |

### 80 Meters - CW

| | | | | |
|---|---|---|---|---|
| CM2JZ | 3.505 | 0838 | 15 | NH |
| D44AB | 3.505 | 2355 | 11 | IA |
| EM1U | 3.504 | 0850 | 14 | NH |
| PJ8DX | 3.505 | 1026 | 15 | NH |
| T28RW | 3.507 | 0950 | 14 | NH |
| ZF8BS | 3.511 | 1035 | 14 | NH |
| ZL1ALZ | 3.502 | 0905 | 15 | NH |
| ZL2UW | 3.506 | 0935 | 15 | NH |
| ZL4SD | 3.504 | 0945 | 14 | NH |
| ZP4YD | 3.506 | 1015 | 15 | NH |

### 75 Meters - SSB

| | | | | |
|---|---|---|---|---|
| DU9RG | 3.797 | 1130 | 12 | IA |
| J38TF | 3.799 | 0130 | 10 | NV |
| J8ØF | 3.793 | 0259 | 12 | FL |
| KHØBX | 3.799 | 1241 | 12 | NV |
| KHØI | 3.797 | 1200 | 12 | AR |
| KOØI | 3.792 | 1404 | 12 | NV |
| RAØFX | 3.796 | 1418 | 12 | NV |
| RKØCXE | 3.794 | 1332 | 12 | NV |
| T28RW | 3.799 | 1108 | 14 | AL |
| TI4CF | 3.793 | 0252 | 12 | FL |

### 40 Meters - CW

| | | | | |
|---|---|---|---|---|
| 3B8CF | 7.005 | 0200 | 18 | OK |
| 4F3CV | 7.005 | 1317 | 15 | CA |
| 5WØHW | 7.002 | 0750 | 15 | GA |
| 7Q7EH | 7.007 | 0005 | 14 | GA |
| 8R1J | 7.003 | 1028 | 14 | OK |
| BA4TB | 7.007 | 1318 | 15 | CA |
| BD4RA | 7.002 | 1328 | 15 | CA |
| CX4GL | 7.004 | 0245 | 18 | OK |
| EA5FX | 7.003 | 0104 | 14 | OK |
| EM1U | 7.084 | 0333 | 14 | AL |
| HJØVGJ | 7.007 | 0322 | 18 | OK |
| HL2WA | 7.002 | 1142 | 16 | AL |
| KC6/N5OK | 7.005# | 1044 | 14 | AL |
| KG4ZE | 7.005 | 0204 | 10 | MN |
| LU8MFF | 7.013 | 0429 | 18 | OK |
| PJ8DX | 7.007 | 2305 | 14 | CA |
| T88T | 7.003 | 1319 | 18 | OK |
| T94B | 7.005 | 0133 | 16 | OK |
| TI2OY | 7.006 | 0108 | 14 | OK |
| UN5F | 7.009 | *1101 | 16 | AL |
| VP8CWI | 7.006 | 0855 | 15 | GA |
| YV5BLP | 7.001 | 0410 | 18 | OK |
| ZK1BWQ | 7.004# | 0916 | 11 | FL |

### 30 Meters

| | | | | |
|---|---|---|---|---|
| EM1U | 10.101 | 2345 | 14 | GA |
| FG5XC | 10.102 | 2032 | 14 | MA |
| PJ8DX | 10.103 | 2255 | 12 | NY |
| PY7ZZ | 10.104 | 2234 | 10 | MN |
| T77C | 10.103 | 2238 | 14 | MA |

### 20 Meters - CW

| | | | | |
|---|---|---|---|---|
| 7Z5OO | 14.016 | 1548 | 14 | CA |
| 9A2HF | 14.006 | 1955 | 28 | MI |
| EG3NTT | 14.023 | 1945 | 27 | MI |
| EM1W | 14.006 | 0001 | 16 | GA |
| ET3BW | 14.024# | 1815 | 13 | FL |
| J79QA | 14.008 | 1240 | 26 | MI |
| PJ8DX | 14.019 | 1345 | 14 | FL |
| RZ9AWW | 14.003 | 1305 | 17 | MI |
| S52R | 14.020 | 1445 | 20 | MI |
| TG9AQ | 14.038 | 1315 | 14 | FL |
| UR5QGC | 14.014 | 1524 | 13 | NH |
| VQ9IE | 14.020 | 1525 | 14 | FL |
| VU2BK | 14.010 | 1350 | 27 | MI |
| WP4Q | 14.011 | 1400 | 27 | MI |
| YI1US | 14.021# | 1715 | 12 | FL |

### 20 Meters - SSB

| | | | | |
|---|---|---|---|---|
| 5X1D | 14.243# | 2016 | 10 | AR |
| 5Z4RL | 14.205 | 2120 | 10 | WI |
| 7N1ITN | 14.198 | 2241 | 16 | MD |
| 9A2OM | 14.195 | 1520 | 13 | NH |
| A61AM | 14.226# | 1547 | 14 | MN |
| AHØAM | 14.260 | 2303 | 11 | AR |
| BV5GO | 14.198 | 0001 | 13 | CA |
| ET3BN | 14.240# | 1815 | 13 | CA |
| JT1FBT | 14.188 | 0039 | 14 | CA |
| JY8XY | 14.197 | 1350 | 12 | IA |
| OX3SA | 14.247 | 2244 | 16 | MD |
| SV2ASP/A | 14.195 | 1830 | 11 | NH |
| XX9X | 14.188# | 2344 | 10 | MA |
| YI1FC | 14.270# | 1559 | 14 | CA |
| ZS8IR | 14.195# | 1603 | 10 | VA |

### 17 Meters - CW

| | | | | |
|---|---|---|---|---|
| ZVØMV | 18.071 | 1219 | 10 | MA |

### 17 Meters - SSB

| | | | | |
|---|---|---|---|---|
| 4L1DX | 18.134 | 1221 | 11 | MA |
| 9H1AA | 18.166 | 1407 | 12 | AR |
| J8ØF | 18.160 | 2048 | 12 | NY |

### 15 Meters - CW

| | | | | |
|---|---|---|---|---|
| ON4UN | 21.028 | 1435 | 12 | IA |

### 15 Meters - SSB

| | | | | |
|---|---|---|---|---|
| 5Z4RL | 21.200 | 1655 | 11 | IA |
| 9G1AA | 21.271 | 1740 | 16 | MD |
| FH5CB | 21.297 | 1546 | 13 | AL |
| FR5DX | 21.282 | 1545 | 12 | OH |
| XT2DP | 21.305# | 1819 | 10 | AR |
| ZD7HI | 21.355 | 1930 | 16 | MD |
| ZT2DP | 21.305 | 1740 | 10 | IA |

### 10 Meters - SSB

| | | | | |
|---|---|---|---|---|
| CX4BT | 28.464 | 2203 | 13 | AZ |
| LU2ATI | 28.330 | 2217 | 13 | AZ |
| LU4HTW | 28.313 | 2211 | 13 | AZ |
| ZP5KW | 28.492 | 2132 | 13 | CA |
| ZP8AE | 28.385 | 2207 | 13 | AZ |

## Current and Future DXpeditions

(Changes and hot info in **boldface**.)

| DXCC Country | Prefix | Callsign | Dates | Issue |
|---|---|---|---|---|
| American Samoa | KH8 | KH8AL | Oct 22-30 | 855 |
| Antigua | V2 | V26B | Oct 26-27 | 857 |
| Ascension Island | ZD8 | ZD8DEZ | to Dec | 835 |
| Barbados | 8P9 | 8P9HT | Nov 19-26 | 854 |
| Bahamas | C6 | C6AHU | Oct 25-27 | 855 |
| | | W7FKF/C6 | Oct 22-28 | 855 |
| Belize | V31 | V31MX | Oct 23-28 | 858 |
| Bonaire | PJ9 | PJ9T | Oct 19-29 | 855 |
| Brazil | PY | ZV2EPA | Oct 24-27 | 854 |
| | | PV2V | Nov 16-24 | 854 |
| | | PS2S | Nov 24-Dec 1 | 854 |
| Cayman Island | ZF | ZF8BS | Through Oct | 858 |
| Chagos Island | VQ9 | VQ9WM | Through 7/97 | 859 |
| China | BY | BY8SKM | Nov 23 | 860 |
| **Crozet Island** | **FT8W** | | **Jan 8-9, 97** | **861** |
| Grenada (*Update*) | J3 | J3A | Oct 20-Nov 1 | 860 |
| | | J3/WJ2O | Nov 20-29 | 857 |
| **Heard Island** (Update) | **VK0** | **VK0IR** | **Jan 13-27, 97** | **861** |
| **Kerguelen Island** | **FT8X** | | **Jan 30, 1997** | **861** |
| Lampedusa Is. | IG9 | IG9/ | Oct 20-27 | 860 |
| Lesotho | 7P8 | /G4FUI | to December | 851 |
| Macquarie Is. | VK0 | VK0WG | Starting Nov | 859 |
| Midway | KH4 | KH4/W7VWR | Nov 3-10 | 860 |
| Mongolia | JT | JT1FBT | Through Oct | 859 |
| Mozambique | C9 | C91CO | Oct 23-28 | 859 |
| Myanmar | XZ | XZ1N | Nov 16-25 | 858 |
| Namibia | V5 | V59T | Oct 26-27 | 860 |
| Nigeria | 5N | 5N9N | Oct 22-Nov 3 | 850 |
| **Reunion Island** | **FR** | | **Jan 3, 97** | **861** |
| Rodrigues Is. | 3B9 | 3B9/ | Oct 31-Nov 5 | 860 |
| St. Kitts | V4 | V47KP | Oct & Nov | 860 |
| St. Lucia | J6 | J6DX | Nov 23-24 | 859 |
| St. Martin | FJ | FS/W2QM | Dec 4-11 | 860 |
| Sable Island | CY0 | WA4DAN | Oct 22-29 | 834 |
| South Africa | ZS | WJ2O/ZS6 | Oct 29-30 | 857 |
| South Cook | ZK1 | ZK1DI | Through 3/97 | 859 |
| Swaziland | 3DA | 3DA0CA | Now | 859 |
| | | 3DA0DX | Oct 26-27 | 860 |
| | | 3DA0NX | Oct 26-27 | 860 |
| Tajikistan | EY | EY2Q | Oct 26-27 | 860 |
| Togo (*Update*) | 5V | 5V5A | Nov 23-24 | 860 |
| Tonga | A3 | A35SQ | Oct 16-28 | 859 |
| Turks & Caicos | VP5 | VP5T | Oct 22-29 | 854 |
| U.A.E. | A6 | A61AD | Nov 3-8 | 858 |
| Uganda | 5X | 5X1D | Now | 859 |
| Vietnam | XV | XV7SW | from Oct. | 856 |
| Wallis & Futuna | FW | FW/DJ2EH | Oct 22-Nov 4 | 858 |

## DX Events, Happenings, and Gatherings

| | |
|---|---|
| *Oct 26-27* | *CQ WW SSB DX Contest* |
| Nov 2-3 | ARRL CW Sweepstakes |
| Nov 2-3 | Ukrainian DX Contest |
| Nov 8-10 | Japan Int'l DX SSB Contest |
| Nov 9-10 | Worked All Europe RTTY Contest |
| Nov 16-17 | ARRL SSB Sweepstakes |
| Nov 23-24 | CQ WW CW DX Contest |
| Dec 21-22 | Croatian CW Contest |
| Jan 25-26 | CQ WW CW 160M Contest |
| Feb 15-16 | ARRL CW DX Contest |
| Feb 22-23 | CQ WW SSB 160 Meter Contest |
| Mar 1-2 | ARRL SSB DX Contest |

## Amateurs on Regularly

| DXCC Country | Callsign | Freq. | UTC |
|---|---|---|---|
| **S. Cook** | **ZK1BWQ** | **7.004** | **0900** |
| **Ethiopia** | **ET3BW** | **14.024** | **1800** |
| **Uganda** | **5X1D** | **14.243** | **2015** |
| **Georgia** | **4L1DX** | **18.134** | **1200** |
| **Burkina Faso** | **XT2DP** | **21.305** | **1800** |
| **Uruguay** | **CX4BT** | **28.465** | **2200** |

The DX Bulletin

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